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(21) International Application Number: PCT/EP99/00014 (22) International Filing Date: 5 January 1999 (05.01.99) (30) Priority Data: 9800012 8 January 1998 (08.01.98) BE (71) Applicant (for all designated States except US): EURODIOL S.A. [BE/BE]; Parc Industriel Zone A, B-7181 Feluy (BE). (72) Inventor; and (75) Inventor/Applicant (for US only): BERTOLA, Aldo [IT/IT]; Via Luigi Illica, 5, I-20121 Milano (IT). (74) Agent: SARPI, Maurizio; Studio Ferrario, Via Collina, 36, I-00187 Roma (IT).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> (88) Date of publication of the international search report: 16 September 1999 (16.09.99)
(54) Title: A PROCESS FOR THE PRODUCTION OF TETRAHYDROFURAN, GAMMABUTYROLACTONE AND BUTANEDIOL (57) Abstract Process for the production of tetrahydrofuran, gammabutyrolactone and butanediol starting from maleic anhydride esters, consisting of two subsequent hydrogenations.		

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 99/00014

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 C07C29/149 C07D307/08 C07D307/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 6 C07C C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 86 03189 A (DAVY MCKEE (LONDON)) 5 June 1986 see page 5 - page 6; claim 1 ---	1,8
A	US 4 032 458 A (S.D. COOLEY, ET AL.) 28 June 1977 see column 2; claim 1 ---	1,8
A	EP 0 190 424 A (CHEMIE LINZ) 13 August 1986 see example 1 ---	1
A	BE 892 958 A (DAVY MCKEE (OIL & CHEMICALS)) 16 August 1982 see page 6 ---	1,7
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

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International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	US 2 251 895 A (W. REPPE, ET AL.) 5 August 1941 see the whole document -----	1

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